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## DESCRIPTION OF PLATES

## PLATE XI

FIG. 1. View of one of the four series of pots of experiment V of the soil-culture studies, illustrating the difference in vigor of growth between plants receiving different nutritive treatment.

FIG. 2. On the left, a pot containing 5 plants of group *A* (grown in sand); and on the right a pot containing 5 plants of group *F* (soil highly fertilized with  $\text{NaNO}_3$ ); experiment V of the soil-culture studies.

## PLATE XII

FIG. 3. Crown rust of oats. A rust mycelium exhibiting a very marked tendency towards teleutospore production. The first sorus produced by the mycelium (in the center) is a uredosorus. The others are teleutosori. Photographed with Zeiss 3.5 cm. microplanar.  $\times 24$ .

FIG. 4. View of infected leaves of a semi-starved plant and of a richly fed plant of soil-culture experiment V, showing larger size of pustules on more luxuriant host plant. Photographed with Zeiss microplanar.  $\times 15$ .

FIG. 5. Same as figure 4.  $\times 10$ .

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ERRATUM

In the first part of this paper, appearing in the *Journal* for April, 1922, pp. 183-203, on page 188, line 32, and on page 193, line 1, for *Puccinia Caryophylli* read *Uromyces caryophyllinus*.